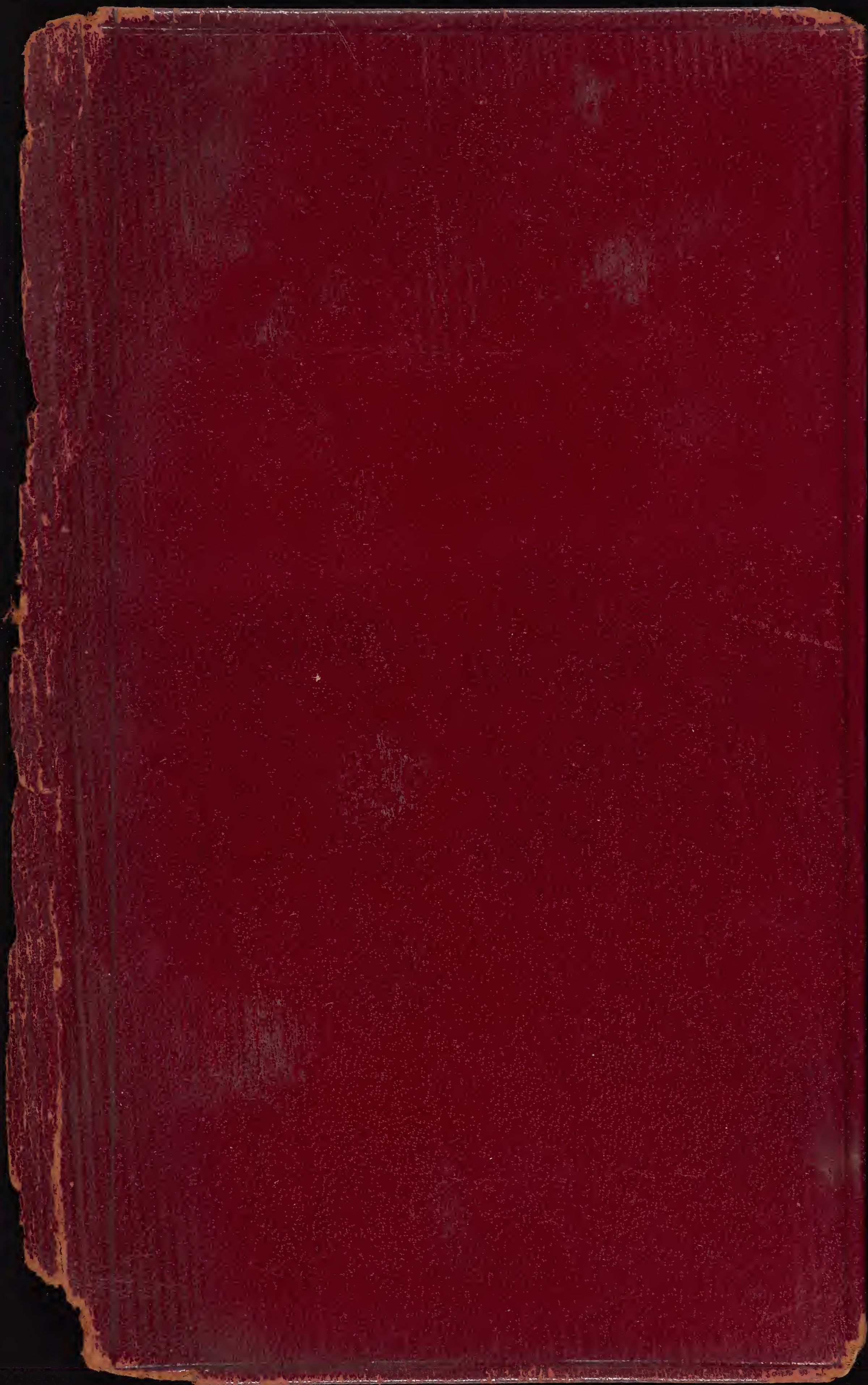


1904

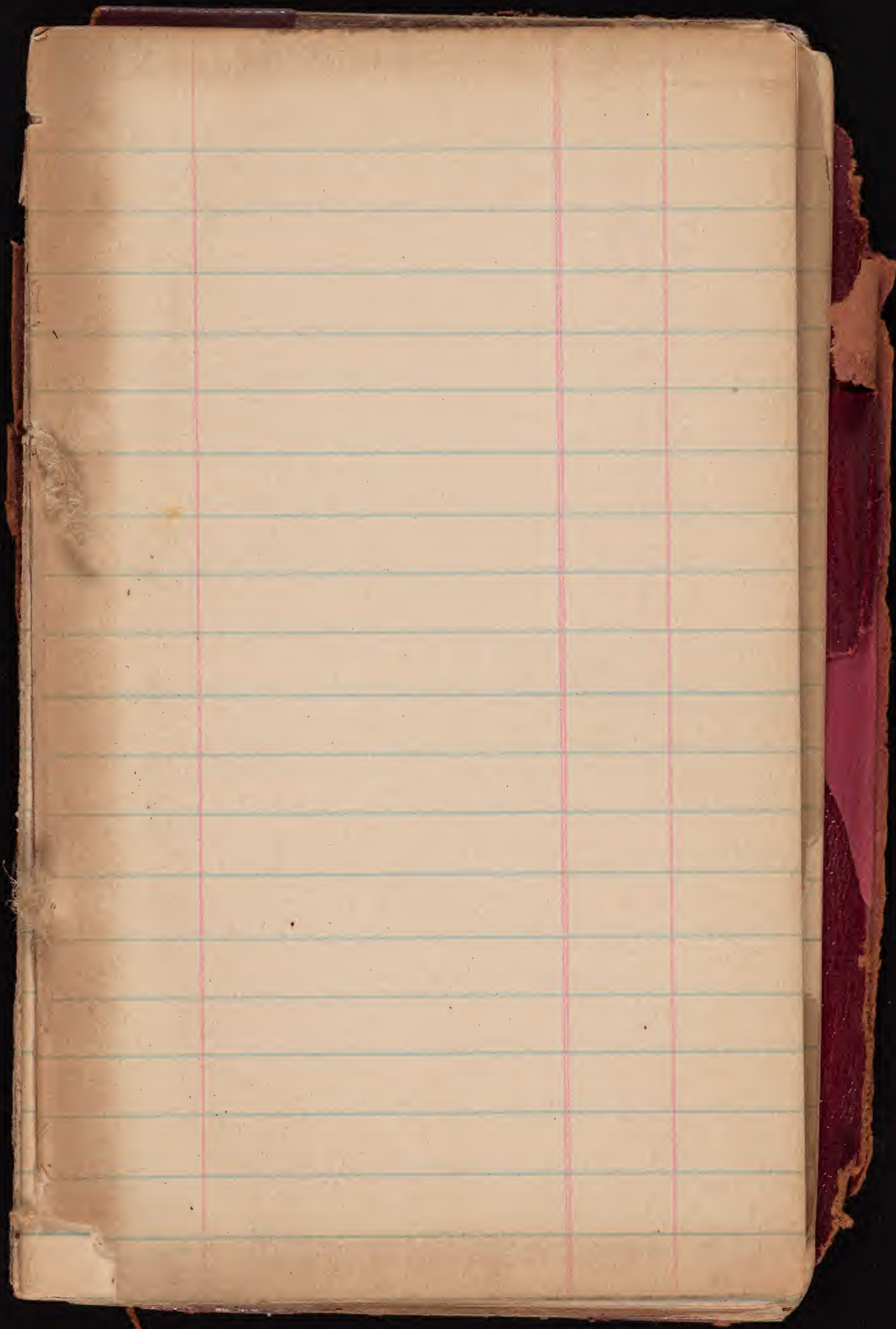
New Harmony
Ind. I

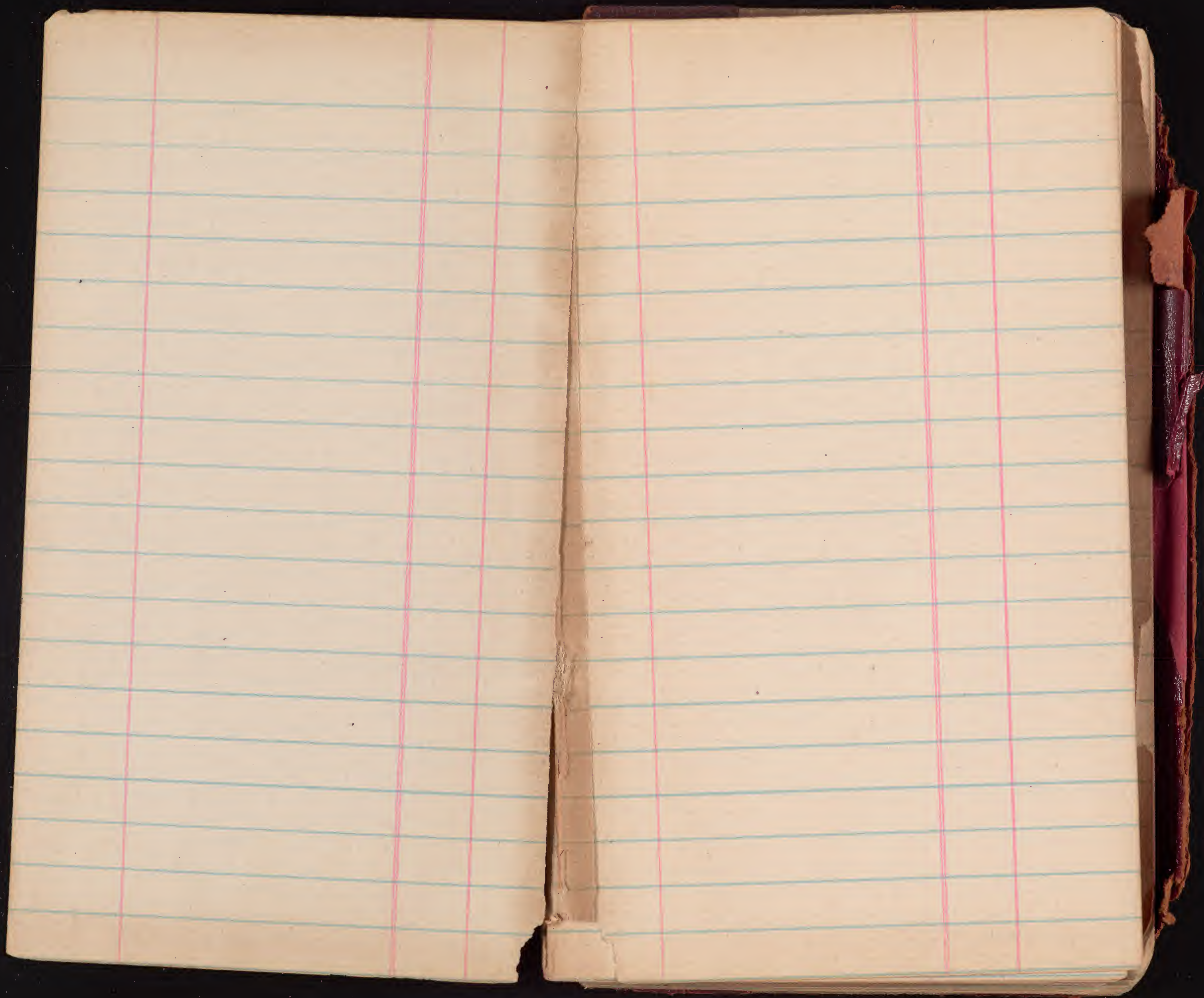
Record





366 Summit Ave.





St. Louis to New Harmony

Nov. 26-1904.

Reached Browns at 3 AM.

& left for Newtville
at 6²⁰ AM.

The country between
Browns and a point
near Grayville is
flat prairie, but
at Grayville it
becomes rougher.
All along the road
there are hills, -
low & rolling, and in
at least two places
with rock-cres.

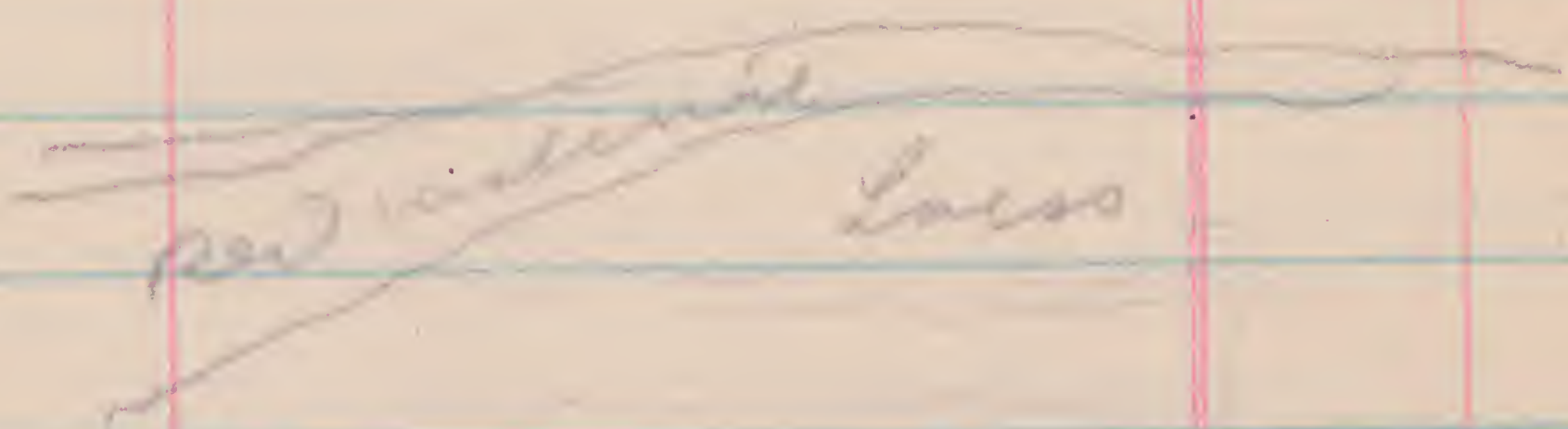
The surface deposit
is a yellow loess, -
looks pretty light in
places, but I could not

see well. There are
no deep cuts.

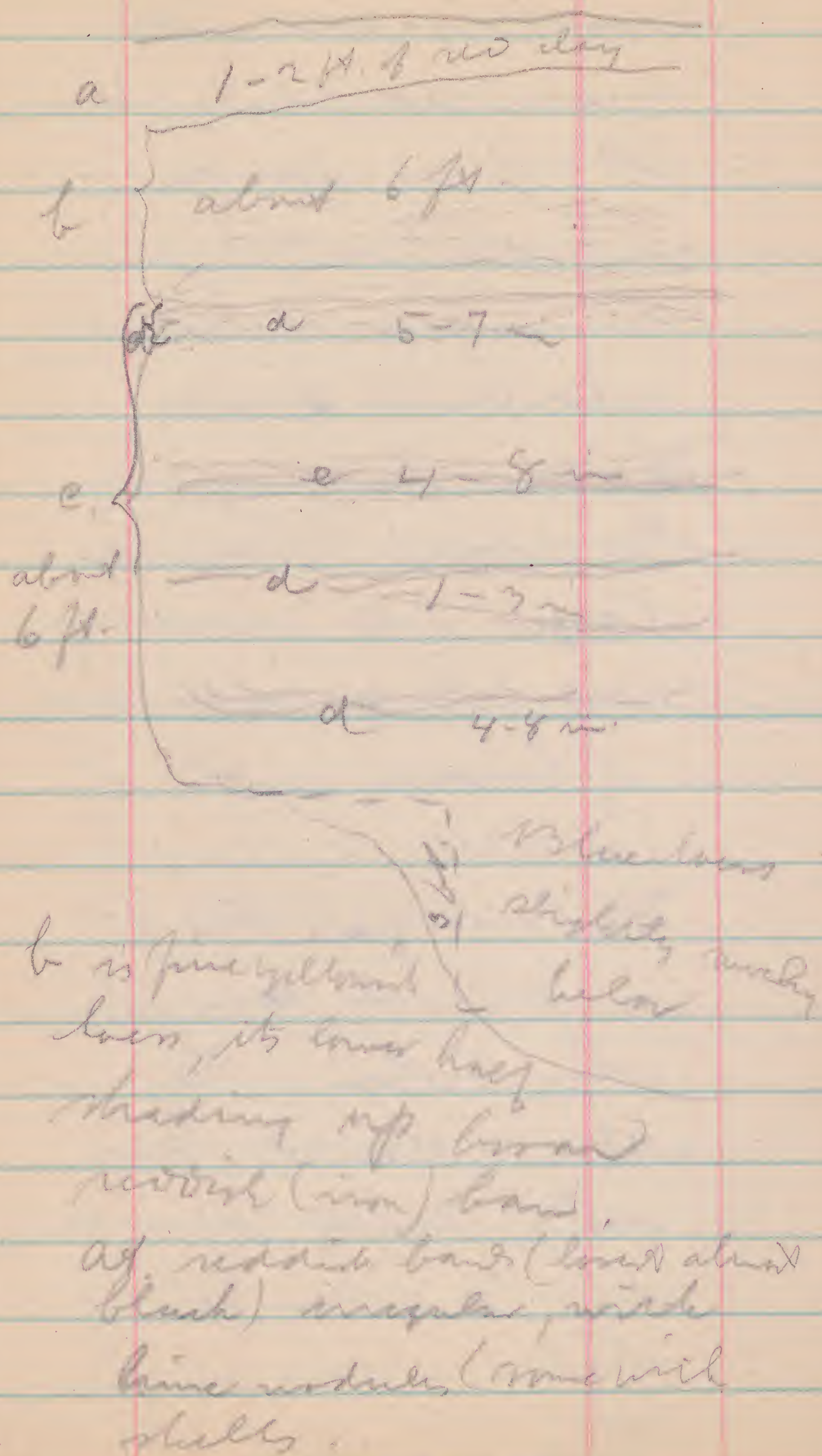
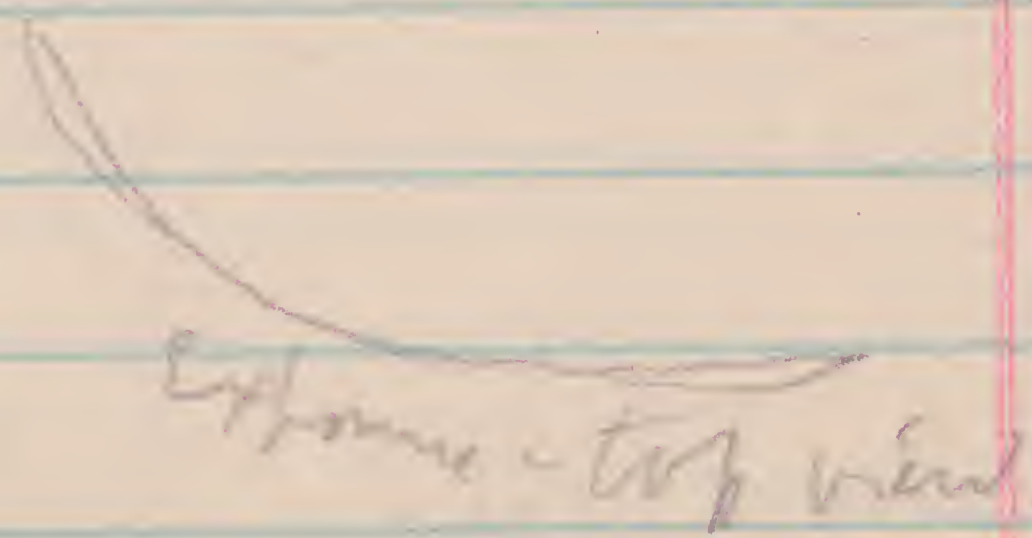
Grayville shows cuts
in the streets.

Nov. 26-1904

New Harmony, Ind.
Exposure about 25 rods
east of Mt. Vernon road
& just S. of city limits
On land of
Geo. K. Lichtenberger



See photo.



Some of the fossils (all
more or less faint, especially
below) are also in red
& limy bands.

Some samples of lacunas,
nodules - & iron.

The lower bluish layer has
the vertical tubes - iron -
large - like Decora sp.
Four roots in upper part
of layer in center of
iron tube.

The lower pale blue layer
is distinctly laminated
when broken. The
upper yellowish layer
only slightly toward base.
The lower has lots of
shells - upper only a
few & they run out in upper
part.

The upper yellowish layer
is redder below &
thinner, but in lower
half.

The line between them
is not sharp here.

The shells in lower
part especially are
very fragile.

The hill rises much higher.
The red clay runs over

it & in places
these hills are
covered with very
fine sand.

A little drift
shows at base of
slope west of
exposure.

Nov. 27-04

N. Main str

(A) Say

N. Granary str.

S.

N

Thomas Say

The Naturalist

Born in Philadelphia

July 27-1767

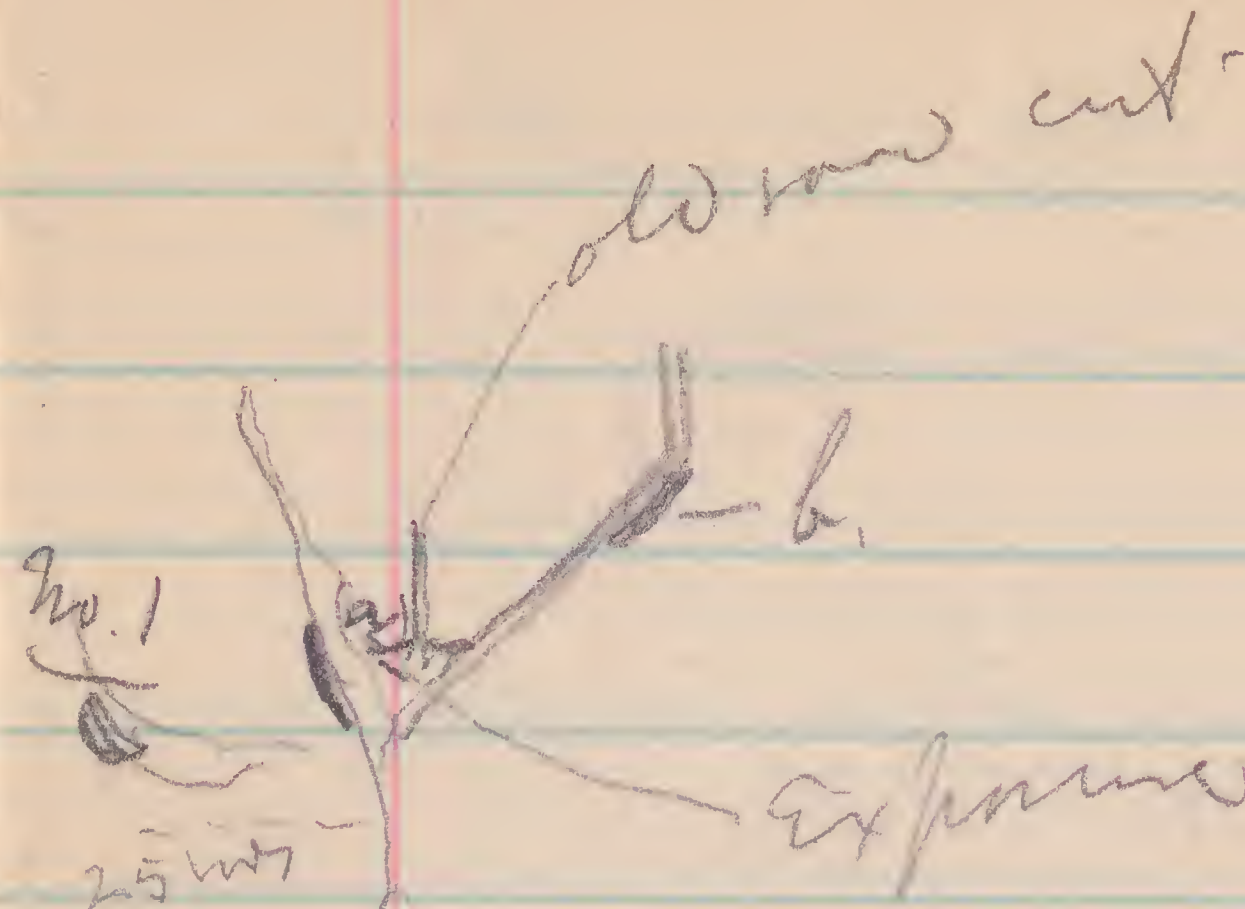
Died at New Harmony

October 10, 1834

Arthur Dransfield

Librarian (Dr. Murphy) ^{sub} Library

New Harmony, Ind.



at (at were a lot of
Pleurogonia etc. from
river. A can partly
filled with them, at
top showed origin.

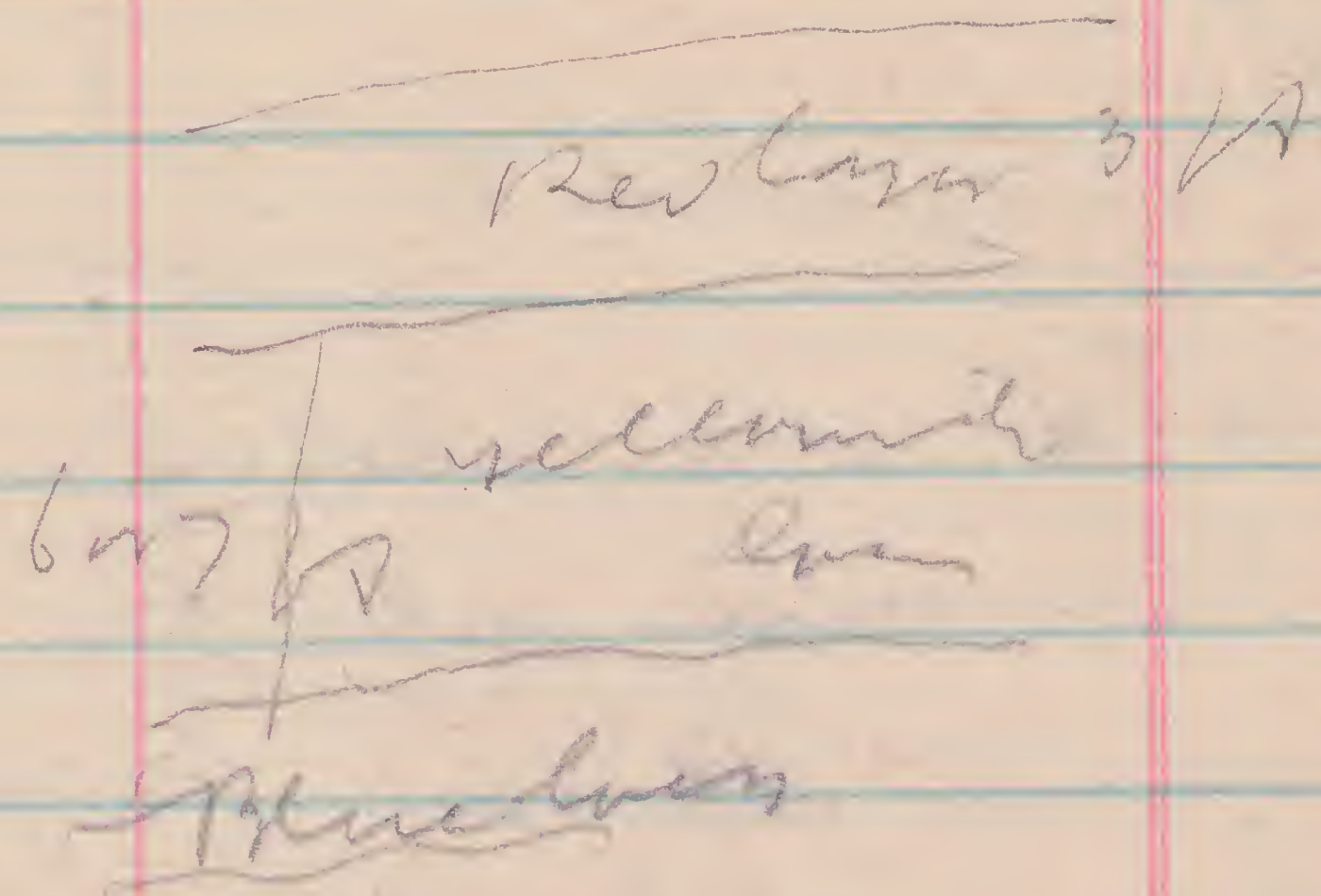
Exposure (a) is regularly
lined (laminated?)
with iron - It is
yellowish stuff like
upper loess in No. 1.

see shells. ~~sample~~

This is upper loess - about

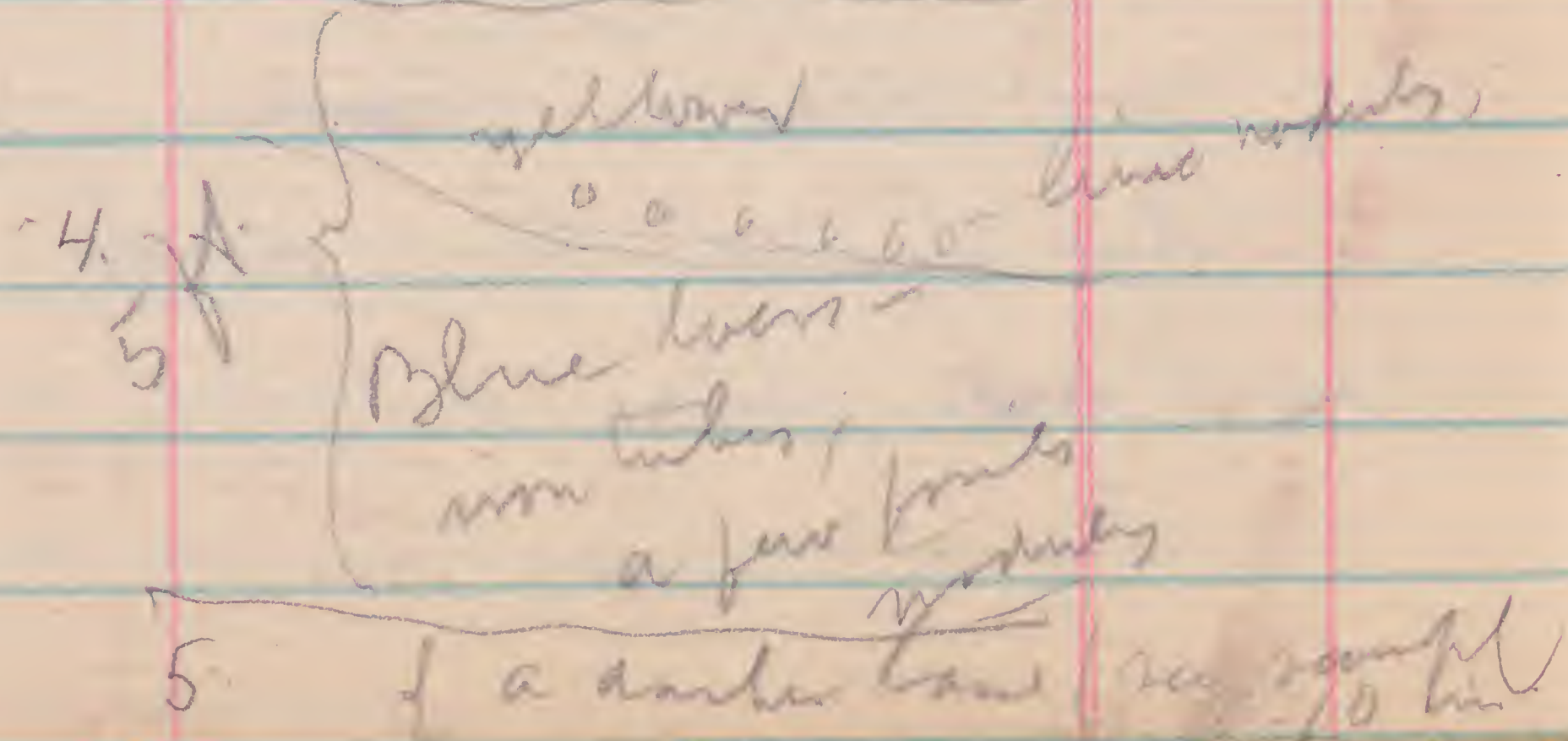
7 to 10 ft. deep. Below is exposure
the blue loess again - see shells

there is about 3 ft. of
red clay on top



7 in. exposure to right
25 m south of (a) is (b)

1. Dark soil 1-1 1/2 ft.
2. Dark red 1 ft.
3. yellowish brown pan 15-18 in.



No. 4 & 5. keeps most
+ on the older part of
bank is even with
upper str. 1, 2 & 3 are
bare.

2 & 3 shade together
line between 3 & 4 is

fairly sharp.
The lowest layer - dark
(iron gray & brown) looks
just like stuff on top of
soil -

Just a little way (2 rods) up
the row on left side
gravel shows at base
it has much iron &
looks like rather fine
Burcham.

The end extends across the
cove & on upper slopes than

are several feet of
the upper loess - & the
red layer above about
it.

Look further to show
more on loess.

Bare red layer.

Loess
moss-covered

The red clay is 3-4 ft deep
then 2-3 ft. of yellow
stuff (see b) which
is hard pan above &
shades below into
softer stuff & finally
loess.

at (c) only upper yellow
loess - 6 ft deep shown -
above it 2-3 ft of
red clay & then 1-1 1/2
ft. soil. see shells.

A few nodules -
downward more
numbly & more like
thin clay

(c) is about 50 or 60 ft
above (b)

(d) is 100 ft above flat &
shows yellow loess with

-d. few shells, 3-5 ft deep.
& red clay at top is

-c- thicker 3-4 ft.

See photo of N. side

a b. looking N.

See sample of yellow
loess.

The Pennsylvania road
leads up from river
N. wall & cuts in
3-6 feet. It
is yellow loess, but
at very top under
a foot or two of
yellow loess is fine
yellowish sand.
The red clay caps
all a foot on top.
(see fossils.)

Opp D D Owens' grave
The cut is as follows

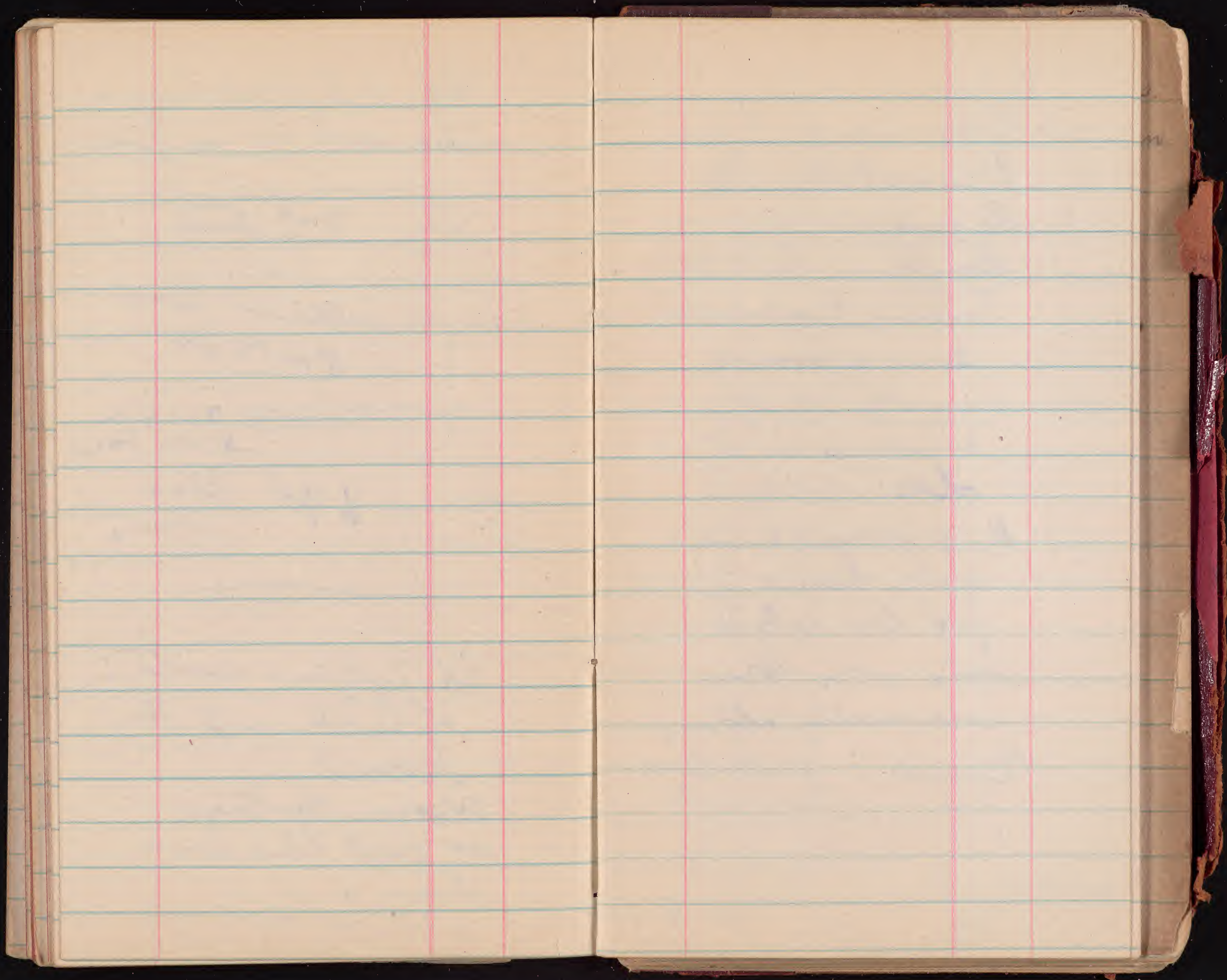
not clear

yellow loess
8 or 10 ft

3 or 4 in
iron bar

6 ft blue
loess

At bottom center
of hill up the
road -
around the turn
no real blue loess
shows & it is
evidently thinner?



Exposures along
Ill. Cent. from
Stewartville to
Peoria -

Griffin - low hills
bordering broad bottom -

Some exposures,
Grayville - W. of Wabash
Exposures in street
these hills

W. of Grayville the
country becomes flatter
but low cuts through
light yellow loess
occasionally appear.
Browns - just W. or
NW. are low cuts
(the country is a
little rougher) &
they appear to show

a more compact loess
below & yellow on
top (later 3 or 4 ft)

This is as it appears
from the train

Bone Gap - small
low cuts - Country
gently rolling.

West Salem - low low
cut just before getting
to station. Also low
cuts in street.

Looks grayish (light)
& shows a division
above

a sort of rim

just beyond W. Salem
several cuts show

yellow loess 2-4 ft
+ red gravel
beneath no
red topping layer.
Olney - Beyond
saw cut with red
drift at base &
2 or 3 ft. of loess
on top.

Beyond Newton pure
red drift in cut.
But next long low cut
shows whitish loess.
To Falmouth flat
country with considerable
oak timber.

To Rosetill same.

To Hidalgo - same.

Just beyond the

country is rougher,
1st cut shows drift
2nd " " " with
a little loess.
Several more show
yellow (light) drift,
usually reddish
near top, & no loess.
Others show a little
loess.

Country soon becomes
flat, with oak groves.
Near Greenup again
rougher + cuts
show drift -
Some loess in places.
at Greenup - just W. of
depot, a high cut
shows drift - yellow
with upper 4 or 5 ft. redder,
no loess.

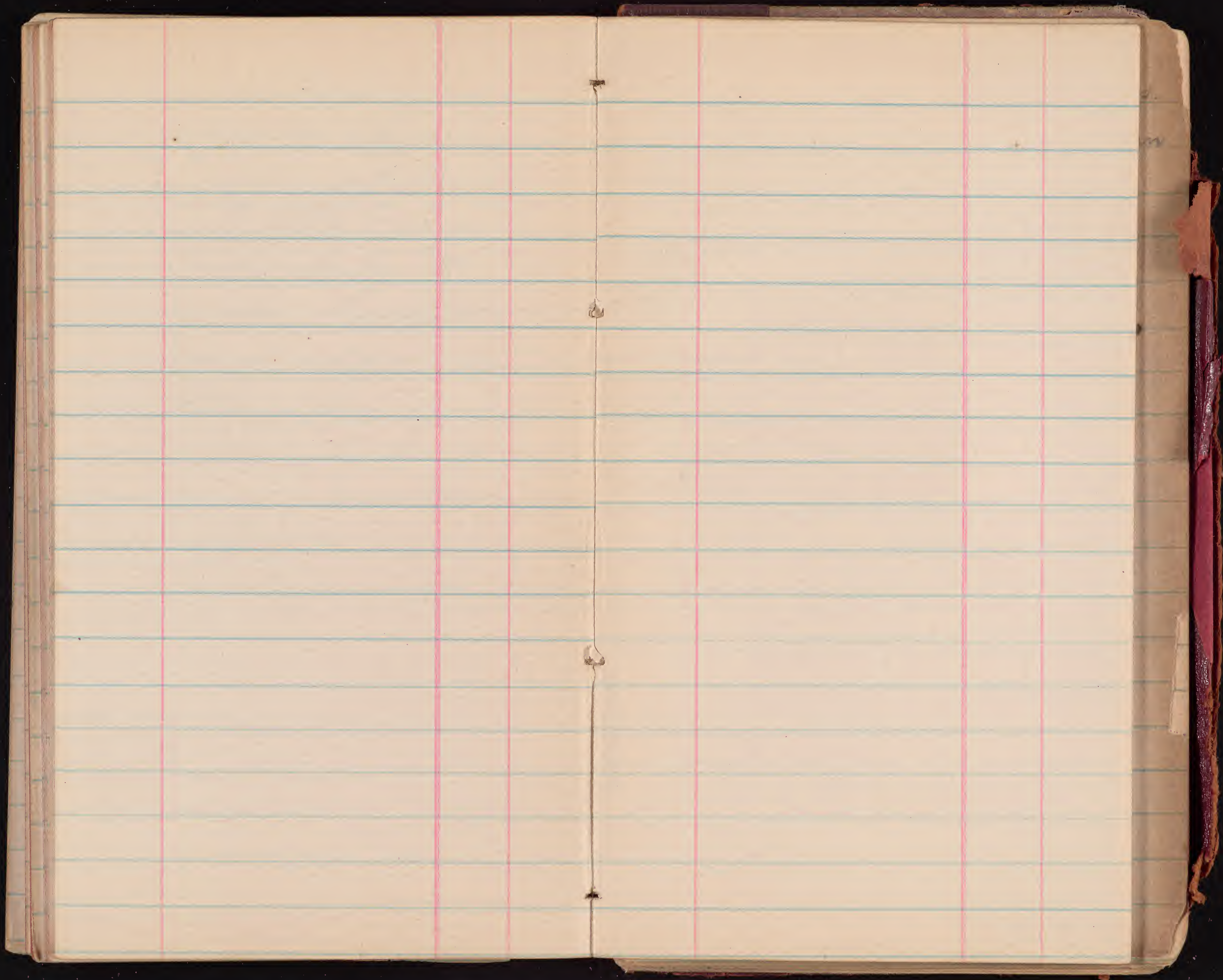
Near Toledo there
are rougher bits
& light loess
seems to appear
in small cuts
From Mattoon to
pretty near Decatur
it is flat boundless
prairie.

At Decatur (just before
getting in) several
large exposures
show light ^{chert} drift
below it 3 to 6
ft of red drift
(shale together or)
& on this a little
soil - 1 - 2 ft
Mostly small gravel -
quite rough along

river. Rocks like
morainic knobs.

Again flat until
a little beyond
Latham, where it
becomes a little
rolling - this is
not long, & again
flat. Prairie
Mt. Pulaski is on
highly rough
ground - on a
muddy ^{or knobby} in the prairie
there seem to be two
knobs or - same?
Still prairie to
a little beyond
Green Valley
where odd

exposure appears
as if capped with
a little loess?
Looks shady or
rocky below
These appear on
both sides of
river, but I
guess 2 miles
apart.
(Mackinaw river)



Dr. Seidlitz - 3333 Lucas

— — — 4240 Morgan

St. Louis,
Possible exchanges
Instituto Agrícola
Caracas, Venez.
Given by Dr. Eugenio M.
Ambar, Gen. Comm.
for Venezuela.

Mr. Edmund P. Sheldon
203 Vine St. Portland, O.
Wonders exchange plants.
Cone fernish sections:
Sugar Pine 8 ft. Picea nelson 8 ft.
W. Hill 8 ft. Doug. Fir 8 ft.

The Brazilian Museum
Rio Janeiro, Brazil,
will ex. bot. spec.
Ref. by Comm.

Sprinthine Chemical Co.
Wilmington, N. Car.
Wood turp, etc. mfgd.
Agricultural Hall.

Mr. H. H. T. Kopman
394 Broadway, New Orleans, La.
Botanist & reporter for
Times-Democrat.

Says Prof Morgan of Baton
Rouge, La., is in charge
of station at Cameron, La.
(by boat from Lake St.
Charles) The flora fine,
like Tex. & Fla. combined.
Others whom he suggests

Prof. R. S. Cocks.
728 State St., New Orleans.
Andrew Allison
Gloster, Miss.

Crescent City Moss Ginnery
Sol. Stern
332 Decatur St.
Saddler, Collins,
New Orleans

S.P. Shotton Co.
Rosin Oils & Co.
Savannah, Ga.
Forestry Bldg., - fine,

List of desiderata -
Pictures in Arb. Forestry -
About 26 slides showing
Lithopentia
Bals Cypress Knees - Mo.
Longleaf pine seedlings on
protected ground, S. Car.
{ Young mixed forest, W. Va.
{ Spruce - Thinned
Good reproduction of
Red Pine.
6 pictures showing maple
sugar in disty.

Mrs. Jefferson surrounded by
unbroken forest. - Ore.
Wasteful logging So. Dak.
Good logging " "
Ground cleared by sheep. - Ariz.
Remains of Coast Redwood
Forest, L. Lawrence,
Portland, Calif.
A lumberman burning
young trees, all killed
Calif.

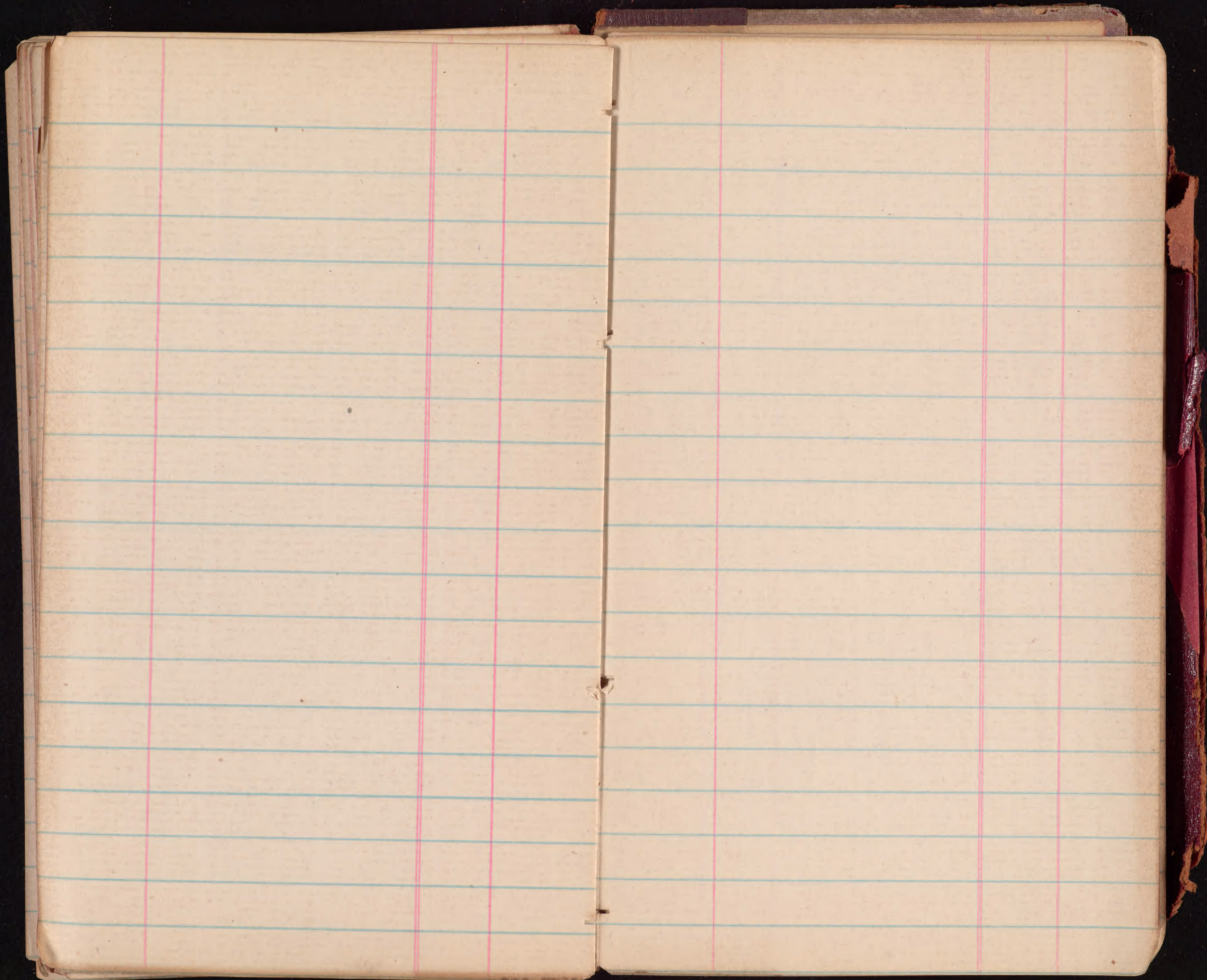
Foresty Valley

Mr. Wm. Guyard

Rep. French Congo State

Had fine display of

rubber & cacao.



Brazil

woods -

Herbarium material

Med. plants

Seeds & fruits

Brazil nuts - with shells

Rubber - fruit

Fibers - & pieces of rope

Dye woods & barks -

Resins, & gums -

There is a herb exhibit

by J. Dutra

Sao Leopoldo

Brazil

West Pascagoula Creosote

works -
Bossier, Miss.

Have blocks of Trebo-
rsten wood & some blocks
of creosote wood -

— 0 —

Devoleciano Chavez

Managua

Exhibited plants at St Louis

Minister of Fomento

Guatemala City

For ex. of plant

Washington Lumbermen
Clark. Dickerson Lumber Co.
Washington Fir slabs etc
Everett, Wash.

Write:

Washington
Georgia
Nicaragua
Klobasa
Cejka
Guatemala?
Peru?
Woods

Argentina

Mesa Gum ^{used for hats, etc}
^{varnish}

(Caesalpinia procera?)

Algarrobo Blanco - for

Government -

Quebracho colorado (Schinus molle)

Guatemala

Fibers -

Seeds

Mex. Plants -

Woods

Com. Carlos F. Grigoyen
Special Com.

Argentina

Com. Nelson.

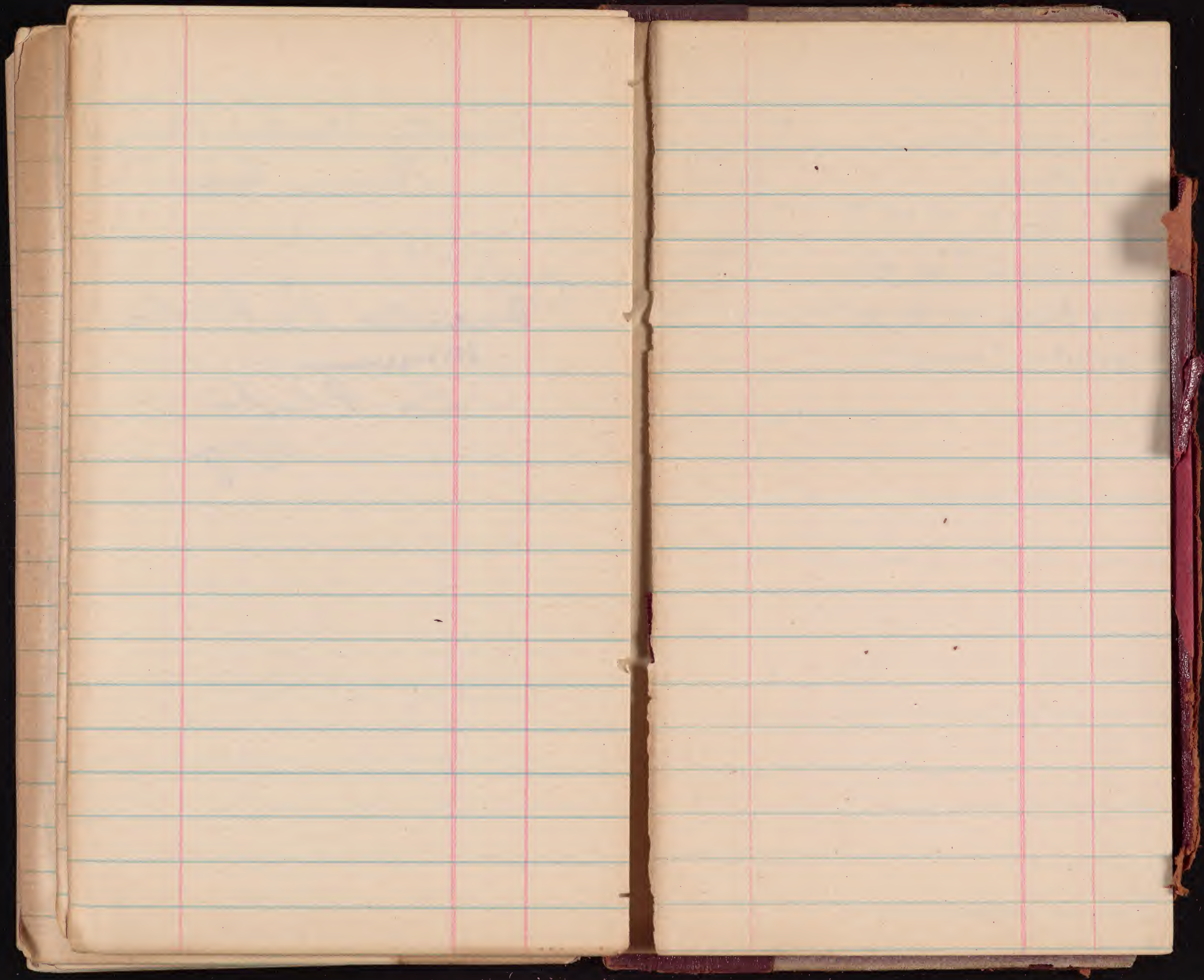
Com. E.M. Nelson.

Director National Museum
Buenos Aires

~~Provincial~~

Director La Plata
Museum

La Plata
Arg.



St. Louis

Nov. 22 -

1904

Nov. 21 RR fare

\$ 7.00

" 22 Room

3.00

Meals 20, 65, 40

1.25

" 23 Meals ²⁵ 40, 40

1.05

" 24 Meals, 30, 45, 30 ⁺¹⁵

1.05

" 25 Room ^{1.00} Meals 30,

Car fare H H H H

16.
57
42
6



